

SEQUENCE LISTING



<110> Guss, Bengt
Nilsson, Martin
Frykberg, Lars
Flock, Jan-Ingmar
Lindberg, Martin

<120> Fibrinogen Binding Protein Originating from
Coagulase-Negative Staphylococcus

<130> guss 09/147405

<140> 09/147405

<141> 1999-04-01

<150> PCT/SE97/10191

<151> 1997-06-18

<150> SE 9602496-3

<151> 1996-06-20

<160> 15

<170> PatentIn Ver. 2.0

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Val Ile Asn Asn Asn Gln Ser Ile Asn Thr Asp Asp Asn Asn Gln Ile	
20 25 30	
att aaa aaa gaa gaa acg aat aac tac gat ggc ata gaa aaa cgc tca	143
Ile Lys Lys Glu Glu Thr Asn Asn Tyr Asp Gly Ile Glu Lys Arg Ser	
35 40 45	
gaa gat aga aca gag tca aca aca aat gta gat gaa aac gaa gca aca	191
Glu Asp Arg Thr Glu Ser Thr Thr Asn Val Asp Glu Asn Glu Ala Thr	
50 55 60	
ttt tta caa aag acc cct caa gat aat act cat ctt aca gaa gaa gag	239
Phe Leu Gln Lys Thr Pro Gln Asp Asn Thr His Leu Thr Glu Glu Glu	
65 70 75	
gta aaa gaa tcc tca tca gtc gaa tcc tca aat tca tca att gat act	287
Val Lys Glu Ser Ser Ser Val Glu Ser Ser Asn Ser Ser Ile Asp Thr	
80 85 90 95	
gcc caa caa cca tct cac aca aca ata aat aga gaa gaa tct gtt caa	335
Ala Gln Gln Pro Ser His Thr Thr Ile Asn Arg Glu Glu Ser Val Gln	
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aca agt gat aat gta gaa gat tca cac gta tca gat ttt gct aac tct	383
Thr Ser Asp Asn Val Glu Asp Ser His Val Ser Asp Phe Ala Asn Ser	
115 120 125	
aaa ata aaa gag agt aac act gaa tct ggt aaa gaa gag aat act ata	431
Lys Ile Lys Glu Ser Asn Thr Glu Ser Gly Lys Glu Glu Asn Thr Ile	
130 135 140	
gag caa cct aat aaa gta aaa gaa gat tca aca aca agt cag ccg tct	479
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145 150 155	
ggc tat aca aat ata gat gaa aaa att tca aat caa gat gag tta tta	527
Gly Tyr Thr Asn Ile Asp Glu Lys Ile Ser Asn Gln Asp Glu Leu Leu	
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Ser Ile Thr Glu Gly Tyr Asp Asp Ser Glu Gly Val Ile Lys Ala His	
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Asp Ala Glu Asn Leu Ile Tyr Asp Val Thr Phe Glu Val Asp Asp Lys	
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Val Lys Ser Gly Asp Thr Met Thr Val Asp Ile Asp Lys Asn Thr Val	
260 265 270	
cca tca gat tta acc gat agc ttt aca ata cca aaa ata aaa gat aat	863
Pro Ser Asp Leu Thr Asp Ser Phe Thr Ile Pro Lys Ile Lys Asp Asn	
275 280 285	
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Ser Gly Glu Ile Ile Ala Thr Gly Thr Tyr Asp Asn Lys Asn Lys Gln	
290 295 300	
atc acc tat act ttt aca gat tat gta gat aag tat gaa aat att aaa	959
Ile Thr Tyr Thr Phe Thr Asp Tyr Val Asp Lys Tyr Glu Asn Ile Lys	
305 310 315	
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Ala His Leu Lys Leu Thr Ser Tyr Ile Asp Lys Ser Lys Val Pro Asn	
320 325 330 335	
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Asn Asn Thr Lys Leu Asp Val Glu Tyr Lys Thr Ala Leu Ser Ser Val	
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Asn Lys Thr Ile Thr Val Glu Tyr Gln Arg Pro Asn Glu Asn Arg Thr	
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370 375 380	
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Val Glu Gln Thr Ile Tyr Ile Asn Pro Leu Arg Tyr Ser Ala Lys Glu	
385 390 395	

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Thr Asn Val Asn Ile Ser Gly Asn Gly Asp Glu Gly Ser Thr Ile Ile	
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gac gat agc aca ata att aaa gtt tat aag gtt gga gat aat caa aat	1295
Asp Asp Ser Thr Ile Ile Lys Val Tyr Lys Val Gly Asp Asn Gln Asn	
420 425 430	
tta cca gat agt aac aga att tat gat tac agt gaa tat gaa gat gtc	1343
Leu Pro Asp Ser Asn Arg Ile Tyr Asp Tyr Ser Glu Tyr Glu Asp Val	
435 440 445	
aca aat gat gat tat gcc caa tta gga aat aat aat gat gtg aat att	1391
Thr Asn Asp Asp Tyr Ala Gln Leu Gly Asn Asn Asn Asp Val Asn Ile	
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Asn Phe Gly Asn Ile Asp Ser Pro Tyr Ile Ile Lys Val Ile Ser Lys	
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tat gac cct aat aag gat gat tac acg act ata cag caa act gtg aca	1487
Tyr Asp Pro Asn Lys Asp Asp Tyr Thr Thr Ile Gln Gln Thr Val Thr	
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Tyr Asp Asn Thr Ile Ala Phe Ser Thr Ser Ser Gly Gln Gly Gln Gly	
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gac ttg cct cct gaa aaa act tat aaa atc gga gat tac gta tgg gaa	1631
Asp Leu Pro Pro Glu Lys Thr Tyr Lys Ile Gly Asp Tyr Val Trp Glu	
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gat gta gat aaa gat ggt att caa aat aca aat gat aat gaa aaa ccg	1679
Asp Val Asp Lys Asp Gly Ile Gln Asn Thr Asn Asp Asn Glu Lys Pro	
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560 565 570 575	
tca gtc aga aca gat gaa gat ggg aaa tat caa ttt gat ggg gtg cag	1775
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Val Asp

1781

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<212> PRT
<213> Staphylococcus epidermidis

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Asp Arg Thr Glu Ser Thr Thr Asn Val Asp Glu Asn Glu Ala Thr Phe
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Leu Gln Lys Thr Pro Gln Asp Asn Thr His Leu Thr Glu Glu Glu Val
65 70 75 80
Lys Glu Ser Ser Ser Val Glu Ser Ser Asn Ser Ser Ile Asp Thr Ala
85 90 95
Gln Gln Pro Ser His Thr Thr Ile Asn Arg Glu Glu Ser Val Gln Thr
100 105 110
Ser Asp Asn Val Glu Asp Ser His Val Ser Asp Phe Ala Asn Ser Lys
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130 135 140
Gln Pro Asn Lys Val Lys Glu Asp Ser Thr Thr Ser Gln Pro Ser Gly
145 150 155 160
Tyr Thr Asn Ile Asp Glu Lys Ile Ser Asn Gln Asp Glu Leu Leu Asn
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Leu Pro Pro Glu Lys Thr Tyr Lys Ile Gly Asp Tyr Val Trp Glu Asp				
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Val Asp Lys Asp Gly Ile Gln Asn Thr Asn Asp Asn Glu Lys Pro Leu				
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<212> DNA

<213> Staphylococcus epidermidis

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gaagatagaa cagagtcaac aacaaatgta gatgaaaacg aagcaacatt ttacaaaag 180

accctcaag ataatactca tcttacagaa gaagaggtaa aagaatcctc atcagtcgaa 240

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<211> 581

<212> PRT

<213> Staphylococcus epidermidis

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Tyr Asp Gly Ile Glu Lys Arg Ser Glu Asp Arg Thr Glu Ser Thr Thr
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Asn Val Asp Glu Asn Glu Ala Thr Phe Leu Gln Lys Thr Pro Gln Asp
50 55 60

Asn Thr His Leu Thr Glu Glu Glu Val Lys Glu Ser Ser Ser Val Glu
65 70 75 80

Ser Ser Asn Ser Ser Ile Asp Thr Ala Gln Gln Pro Ser His Thr Thr
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Ile Asn Arg Glu Glu Ser Val Gln Thr Ser Asp Asn Val Glu Asp Ser
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115 120 125

Ser Gly Lys Glu Glu Asn Thr Ile Glu Gln Pro Asn Lys Val Lys Glu
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Asp Ser Thr Thr Ser Gln Pro Ser Gly Tyr Thr Asn Ile Asp Glu Lys
145 150 155 160

Ile Ser Asn Gln Asp Glu Leu Leu Asn Leu Pro Ile Asn Glu Tyr Glu
165 170 175

Asn Lys Ala Arg Pro Leu Ser Thr Thr Ser Ala Gln Pro Ser Ile Lys
180 185 190

Arg Val Thr Val Asn Gln Leu Ala Ala Glu Gln Gly Ser Asn Val Asn
195 200 205

His Leu Ile Lys Val Thr Asp Gln Ser Ile Thr Glu Gly Tyr Asp Asp
210 215 220

Ser Glu Gly Val Ile Lys Ala His Asp Ala Glu Asn Leu Ile Tyr Asp
 225 230 235 240

Val Thr Phe Glu Val Asp Asp Lys Val Lys Ser Gly Asp Thr Met Thr
 245 250 255

Val Asp Ile Asp Lys Asn Thr Val Pro Ser Asp Leu Thr Asp Ser Phe
 260 265 270

Thr Ile Pro Lys Ile Lys Asp Asn Ser Gly Glu Ile Ile Ala Thr Gly
 275 280 285

Thr Tyr Asp Asn Lys Asn Lys Gln Ile Thr Tyr Thr Phe Thr Asp Tyr
 290 295 300

Val Asp Lys Tyr Glu Asn Ile Lys Ala His Leu Lys Leu Thr Ser Tyr
 305 310 315 320

Ile Asp Lys Ser Lys Val Pro Asn Asn Asn Thr Lys Leu Asp Val Glu
 325 330 335

Tyr Lys Thr Ala Leu Ser Ser Val Asn Lys Thr Ile Thr Val Glu Tyr
 340 345 350

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 355 360 365

Asn Ile Asp Thr Lys Asn His Thr Val Glu Gln Thr Ile Tyr Ile Asn
 370 375 380

Pro Leu Arg Tyr Ser Ala Lys Glu Thr Asn Val Asn Ile Ser Gly Asn
 385 390 395 400

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 420 425 430

Asp Tyr Ser Glu Tyr Glu Asp Val Thr Asn Asp Asp Tyr Ala Gln Leu
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485 490 495

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515 520 525

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<211> 3600

<212> DNA

<213> Staphylococcus epidermidis

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<222> (33)..(3308)

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Leu Leu Thr Lys Lys Lys Pro Ile Ala Asn Lys Ser Asn Lys Tyr Ala
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att aga aaa ttc aca gta ggt aca gcg tct att gta ata ggt gca aca 149
Ile Arg Lys Phe Thr Val Gly Thr Ala Ser Ile Val Ile Gly Ala Thr
25 30 35

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40 45 50 55

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Gln Ser Ile Asn Thr Asp Asp Asn Asn Gln Ile Ile Lys Lys Glu Glu	
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220 225 230	
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235 240 245	

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Ala Thr Gly Thr Tyr Asp Asn Lys Asn Lys Gln Ile Thr Tyr Thr Phe	
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Val Glu Tyr Gln Arg Pro Asn Glu Asn Arg Thr Ala Asn Leu Gln Ser	
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Lys Ile Thr Phe Glu Thr Pro Glu Gly Tyr Thr Pro Thr Leu Lys His	
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Ser Gly Thr Asn Pro Ala Leu Asp Ser Glu Gly Asn Ser Val Trp Val	
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Val His Phe Asp Lys Pro Ser Gly Met Thr Gln Thr Thr Thr Asp Ser	
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Ser Ile Val Ile Gly Ala Thr Leu Leu Phe Gly Leu Gly His Asn Glu
 35 40 45

Ala Lys Ala Glu Glu Asn Ser Val Gln Asp Val Lys Asp Ser Asn Thr

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Asn Asp Val Ile Asn Asn Asn Gln Ser Ile Asn Thr Asp Asp Asn Asn					
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Gln Ile Ile Lys Lys Glu Glu Thr Asn Asn Tyr Asp Gly Ile Glu Lys					
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Arg Ser Glu Asp Arg Thr Glu Ser Thr Thr Asn Val Asp Glu Asn Glu					
	115		120		125
Ala Thr Phe Leu Gln Lys Thr Pro Gln Asp Asn Thr His Leu Thr Glu					
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Glu Glu Val Lys Glu Ser Ser Ser Val Glu Ser Ser Asn Ser Ser Ile					
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Asp Thr Ala Gln Gln Pro Ser His Thr Thr Ile Asn Arg Glu Glu Ser					
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Val Gln Thr Ser Asp Asn Val Glu Asp Ser His Val Ser Asp Phe Ala					
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Asn Ser Lys Ile Lys Glu Ser Asn Thr Glu Ser Gly Lys Glu Glu Asn					
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Thr Ile Glu Gln Pro Asn Lys Val Lys Glu Asp Ser Thr Thr Ser Gln					
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Pro Ser Gly Tyr Thr Asn Ile Asp Glu Lys Ile Ser Asn Gln Asp Glu					
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Ser Thr Thr Ser Ala Gln Pro Ser Ile Lys Arg Val Thr Val Asn Gln					
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Leu Ala Ala Glu Gln Gly Ser Asn Val Asn His Leu Ile Lys Val Thr					
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Asp Gln Ser Ile Thr Glu Gly Tyr Asp Asp Ser Glu Gly Val Ile Lys					
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Lys Gln Ile Thr Tyr Thr Phe Thr Asp Tyr Val Asp Lys Tyr Glu Asn						
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1075

1080

1085

Lys Asn Lys Asn
1090

B1
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